



DOCKET NO.: BMS-2301/PH-7108

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Alan P. Carpenter, Jr., et al.

Application No.: 10/645,272

Filing Date: August 21, 2003

For: MATRIX METALLOPROTEINASE INHIBITORS

Confirmation No.: Not Yet Assigned

Group Art Unit: Not Yet Assigned

Examiner: Not Yet Assigned

DATE OF DEPOSIT: November 3, 2003

I HEREBY CERTIFY THAT THIS PAPER IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL, POSTAGE PREPAID, ON THE DATE INDICATED ABOVE AND IS ADDRESSED TO THE UNITED STATES PATENT AND TRADEMARK OFFICE, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450.

Elizabeth A. McLoud

TYPED NAME: Elizabeth A. McLoud

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).

- ☒ In accordance with § 1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in § 1.491, before the mailing date

of a first Office Action on the merits of the above-identified application, or before the mailing date of a first Office Action after the filing of request for continued examination under § 1.114, no additional fee is required.

☐ In accordance with § 1.129(a), this Information Disclosure Statement is being filed in connection with ☐ the first or ☐ second After Final Submission, therefore:

☐ Certification in Accordance with § 1.97(e) is attached; or

☐ The fee of **\$180.00** as set forth in § 1.17(p) is attached.

☐ In accordance with § 1.97(c), this Information Disclosure Statement is being filed after the period set forth in § 1.97(b) above but before the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311, or before an action that otherwise closes prosecution in the application, therefore:

☐ Certification in Accordance with § 1.97(e) is attached;
or

☐ The fee of **\$180.00** as set forth in § 1.17(p) is attached.

☐ In accordance with § 1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with § 1.97(e); and the submission fee of **\$180.00** as set forth in § 1.17(p).

☐ Copies of each of the references listed on the attached Form PTO-1449 are enclosed herewith.

- ☒ Copies of references listed on the attached Form PTO-1449 are enclosed herewith
- ☒ Copies of references listed on the attached Form PTO 1449 are not required to be submitted pursuant to the June 30, 2003 recent revisions to 37 CFR § 1.98(a)(2)(i).

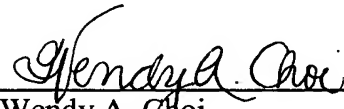
EXCEPT THAT:

- ☒ In view of the voluminous nature of references **29, 30, 35, 42-45 and 63**, and the likelihood that these references are available to the Examiner, copies are not enclosed herewith.
- ☒ In accordance with § 1.98(d), copies of the following references listed on the attached Form PTO-1449 are not enclosed herewith because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application(s) for which a claim for priority under 35 U.S.C. § 120 have been made in the instant application:
 - ☒ Copies of references **1-24 and 93-96** listed on the attached Form PTO-1449 were previously cited by or submitted to the Patent and Trademark Office in prior Application No. **09/783,249**, filed **February 14, 2001**.

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050. This form is submitted in duplicate.

- ☐ The relevance of those listed references which are not in the English language is as follows:
- ☒ There are no listed references which are not in the English language.

Date: November 3, 2003


Wendy A. Choi
Registration No. 36,697

WOODCOCK WASHBURN LLP
One Liberty Place - 46th Floor
Philadelphia, PA 19103
Telephone: (215) 568-3100
Facsimile: (215) 568-3439



Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. BMS-2301/PH-7108	Application No. 10/645,272
	Applicant Alan P. Carpenter, Jr., et al.	
	Filing Date August 21, 2003	Group Not Yet Assigned
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	1	Anthony, et al., <i>Gastroenterology</i> , 1992, Abstract 591
	2	Armstrong, P.W., et al., <i>Can. J. Cardiol.</i> , 1994, 10, 214-220
	3	Beckett, et al., <i>Research Focus</i> , 1996, 1, 16-26
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	6	Brown, et al., <i>Circulation</i> , 1995, 91, 2125-2131
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* A copy of these references will not be forwarded to the U.S. Patent and Trademark Office since they are believed to be too voluminous and easily obtainable by the Examiner.



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	39	DeGrado, W.F., et al., "Polymer-bound oxime esters as supports for solid-phase peptide synthesis. Preparation of protected peptide fragments," <i>Am. Chem. Soc.</i> , 1980 , 45, 1295-1300	
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	61	Sheppard, G.S., et al., "Aryl ketones as novel replacements for the C-terminal amide bond of succinyl hydroxamate MMP inhibitors," <i>Bioorg. & Med. Chem. Lett.</i> , 1998 , 8, 3251-3256	
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*	63	Stewart, et al., "Solid Phase Peptide Synthesis," 2 nd Ed., <i>Pierce Chemical Co., Rockford, IL</i> , 1984	
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	65	Xue, C-B., et al., "Design and synthesis of cyclic inhibitors of matrix metalloproteinases and TNF- α production," <i>J. Med. Chem.</i> , 1998 , 41, 1745-1748	
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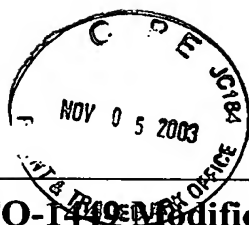
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U. S. PATENT DOCUMENTS							
Examiner Initial		Document No.	Date	Name	Class	Subclass	
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	67	4,988,827	01/29/91	Bergstein, et al.	549	451	
	68	5,064,956	11/12/91	Kruper, Jr.	540	474	
	69	5,087,440	02/11/92	Cacheris, et al.	424	9	
	70	5,155,215	10/13/92	Ranney	534	16	
	71	5,281,704	01/25/94	Love, et al.	540	465	
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	73	5,417,959	05/23/95	Wallace	424	9.363	
	74	5,520,904	05/28/96	Nosco, et al.	424	9.322	
	75	5,567,411	10/22/96	Keana, et al.	424	9.1	
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	77	5,679,810	10/21/97	Love, et al.	556	1	
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	79	5,760,191	06/02/98	Snow, et al.	534	10	
	80	5,801,228	09/01/98	Hollister, et al.	534	15	
	81	5,804,161	09/08/98	Long, et al.	424	9.42	
	82	5,879,659	03/09/99	Edwards, et al.	424	1.69	
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	94	WO 98/47541	10/29/98	PCT		
	95	WO 99/40947	08/19/99	PCT		
	96	WO 99/64406	12/16/99	PCT		
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